

AMENDMENTS TO THE SPECIFICATION:

Please replace the Title with the following:

~~PIN ALLOY-SEMICONDUCTOR, RADIATION DETECTORS WITH
RECTIFYING JUNCTION CONTACTS, METHODS AND SYSTEMS FOR
FORMING PIN ALLOY-SEMICONDUCTOR DEVICES WITH RECTIFYING
JUNCTION CONTACTS, AND SYSTEMS AND METHODS FOR ANALYZING
ALLOY-SEMICONDUCTOR PROPERTIES~~

After the CROSS-REFERENCE TO RELATED APPLICATIONS, please replace the following paragraph:

This application is a continuation of and claims priority to United State Patent Application No. 09/736,157 entitled "PIN ALLOY-SEMICONDUCTOR, RADIATION DETECTORS WITH RECTIFYING JUNCTION CONTACTS, METHODS AND SYSTEMS FOR FORMING PIN ALLOY-SEMICONDUCTOR DEVICES WITH RECTIFYING JUNCTION CONTACTS, AND SYSTEMS AND METHODS FOR ANALYZING ALLOY-SEMICONDUCTOR PROPERTIES[.].," now issued at U.S. Patent No. 6,803,322.